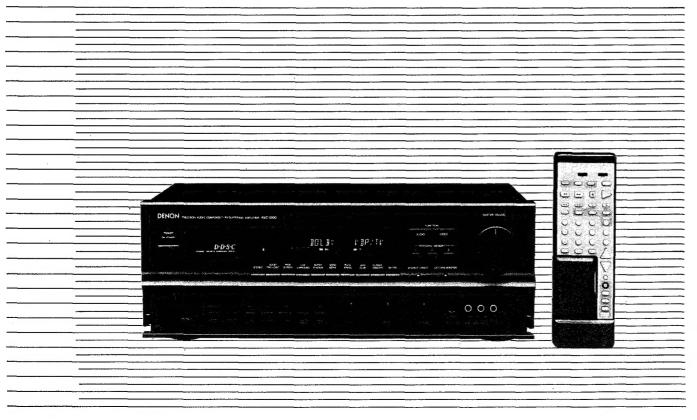
# DENON

**AV SURROUND AMPLIFIER** 

**AVC-2800** 

OPERATING INSTRUCTIONS
BEDIENUNGSANLEITUNG
MODE D'EMPLOI
ISTRUZIONI PER L'USO

INSTRUCCIONES DE OPERACION GEBRUIKSAANWIJZING BRUKSANVISNING



FOR ENGLISH READERS
FÜR DEUTSCHE LESER
POUR LES LECTEURS FRANCAIS
PER IL LETTORE ITALIANO
PARA LECTORES DE ESPAÑOL
VOOR NEDERLANDSTALIGE LEZERS
FÖR SVENSKA LÄSARE

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PAGINA 36 ~ PAGINA 43

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SIDA 52 ~ SIDA 59

### ENGLISH DEUTSCH FRANCAIS ITALIANO ESPANOL NEDERLANDS SVENSKA

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4-5 Gebruik van de dempingsfunctie 4-5 Gebruik van de dempingsfunctie 4-4 Luisteren met hoofdteleloon 4-7 Multi-bonc opname/weergave 4-8 Gebruik van de surround-functie 5-3 Handige Functies 5-3 Piseplay op het scherm 5-3 Display op het scherm 5-4 Systeemoproep (Afstandsbediening) 6-6 5-7 Display op het scherm 5-7 Display op het	Introducción   3, 36	8 — Second in the muting function of the muti	## Common control of the present of

#### INTRODUCTION/EINFÜHRUNG/INTRODUCTION INTRODUZIONE/INTRODUCCIÓN/INLEIDING/INLEDNING

#### NOTE ON USE/HINWEISE ZUM GEBRAUCH/OBSERVATIONS RELATIVES A L'UTILISATION NOTE SULL'USO/NOTAS SOBRE EL USO/ALVORENS TE GEBRUIKEN/OBSERVERA



- Avoid high temperatures
   Allow for sufficient heat dispersion when installed on a rack.
- Vermeiden Sie hohe Temperaturen Beachten Sie, daß eine ausreichend Luftzirkulation gewährleistet wird, wenn das Gerät auf ein Regal gestellt wird.

  Eviter des températures élevées
- Tenir compte d'une dispersion de chaleur suffisante lors de l'installation sur une
- · Evitate di esporre l'unità a temperature Assicuratevi che ci sia un'adeguata disper-sione del calore quando instaliate l'unità in un mobile per componenti audio.
- Evite altas temperaturas Permite la suficiente dispersión del calor cuando está instalado en la consola.
- Vermijd hoge temperaturen. Zorg voor een degelijk hitteafvoer indien het appareat op een rek wordt geplaatst.
- Undvik höga temperaturer. Se till att det finns möllighet till god
- värmeavledning vid montering i ett rack. Evite temperatures altas Conceda suficiente dispersão de calor quando o equipamento for instalado numa prateleira.



- Handle the power cord carefully.
- Hold the plug when unplugging the cord. Gehen Sie vorsichtig mit dem Netzkabel Halten Sie das Kabel am Stecker, wenn Sie
- den Stecker herausziehen. · Manipuler le cordon d'alimentation evec
- Tenir la prise lors du débranchement du cordon.
- · Manneggiate il filo di alimentazione con Agite per la spina quando scollegate il cavo
- dalla presa. Maneje el cordón de energia con cuidado.
- Sostenga el enchufe cuando desconecte el cordón de energía. Hanteer het netsnoer voorzichtig.
- Houd het snoer bij de stekker vast wanneer deze most worden aan- of losgekoppeld. Hantera nätkabeln varsamt. Håll i kabeln när den kopplas från el-

uttaget.

 Manuseie com cuidado o fio condutor de energia. Segure a tomada ao desconectar o fio.



- Keep the set free from moisture, water, and dust.
- Halten Sie das Gerät von Feuchtigkeit, Wasser und Staub fern.
- · Protéger l'appareil contre l'humidité, l'eau et la poussière.

  Tenete l'unità iontana dall'umidità, dall'ac-
- qua e dalla polvere.
- Mantenga el equipo libre de humedad, agua y polvo. · Last geen vochtigheid, water of stof in het
- apparant binnendringen. · Utsätt inte apparaten för fukt, vatten och
- Mantenha o aparelho livre de qualquer umidade, água ou poeira.



- . Unplug the power cord when not using the set for long periods of time.
- Wenn das Gerät eine längere Zeit nicht verwendet werden soll, trennen Sie das Netzkabel vom Netzstecker.
- Débrancher le cordon d'alimentation lorsque l'appareil n'est pas utilisé pendant de
- longues périodes.

  Disinnestate il filo di alimentazione quando avete l'intenzione di non usare il filo di alimentazione per un lungo periodo di tempo.
- Desconecte el cordón de energia cuando no utilice el equipo por mucho tiempo. Neem altijd het netsnoer uit het stopkon-
- takt wanneer het apparaat gedurende een lange periode niet wordt gebruikt.
- Koppla ur nätkabeln om apparaten inte kommer att användas i lång tid.
- Desligue o fio condutor de força quando o aparelho não tiver que ser usado por um longo período.



\*(For sets with ventilation holes)

- Do not obstruct the ventilation holes. Die Belüftungsöffnungen dürfen nicht verdeckt werden.
- Ne pas obstruer les trous d'aération. Non coprite i fori di ventilazione.
- No obstruya los orificios de ventilación. De ventilatieopeningen mogen niet worden
- beblokkeerd. Täpp inte till ventilationsöppningarna. Não obstrua os orifícios de ventilação.

- Do not let foreign objects in the set. Keine fremden Gegenstände in des Gerät
- · Ne pas laisser des obiets étrangers dans
- l'appareit. E' importante che nessun oggetto è inserito
- all'interno dell'unità. No deje objetos extraños dentro del
- Laat geen vreemde voorwerpen in dit
- Se till att främmande föremål inte tränger in i apparaten. Não deixe objetos estranhos no aparelho.



- · Do not let insecticides, benzene, and thin-
- ner come in contact with the set.

  Lassen Sie das Gerät nicht mit Insektiziden, Benzin oder Verdünnungsmitteln in Berührung kommen.
- Ne pas mettre en contact des insecticides, du benzène et un diluant avec l'appareil.
- Assicuratevvi che l'unità non venga in
- contatto con insetticidi, benzolo o solventi. · No permita el contacto de insecticidas,
- gasolina y diluventes con el equipo. Laat geen insektenverdelgende middelen, henzine of verfverdunner met dit apparaat
- in kontakt komen. Se till att inte insektsmedel på spraybruk, hensen och thinner kommer i kontakt med
- apparatens hölje. Não permita que inseticidas, benzina e dissolvente entrem em contacto com o



- Never disassemble or modify the set in any
- Versuchen Sie niemals das Gerät auseinander zu nehmen oder auf jegliche Art zu verändern.
- Ne jamais démonter ou modifier l'appareil d'une manière ou d'une autre.

  Non smontate mai, nè modificate l'unità in
- nessun modo. Nunca desarme p modifique el equipo de
- ninguna manera. Nooit dit apparaat demonteren of op
- andere wijze modifiëren. Ta inte isär apparaten och försök inte bygga om den.
- nca desmonte ou modifique o aparelho de alguma forma.

#### • NUR FÜR EUROPÄISCHE MODELLE

#### Konformitätserklärung

DENON Electronic GmbH Halskestraße 32 40880 Ratingen

Erklärt als Hersteller/Importeur, daß das in dieser Bedienungsanleitung beschriebene Gerät den Technischen Vorschriften für Ton- und Fernseh-Rundfunkempfänger nach der Amtsblattverfügung 868/1989 (Amtsblatt des Bundesministers für Post und Telekommunikation vom 31. 8. 1989) entspricht.

"SERIAL NO... PLEASE RECORD UNIT SERIAL NUMBER ATTACHED TO THE REAR OF THE CABINET FOR FUTURE REFERENCE"

# 2 CONNECTIONS

transformer.

- We greatly appreciate your purchase of the AVC-2800.
- carefully and use the set properly. Be sure to keep this manual for future reference should any questions or problems ■ To be sure you take maximum advantage of all the features the AVC-2800 has to offer, read these instructions

Manufactured under license from Dolby Laboratories Licensing Corporation. Additionally licensed under Canadian

result in the introduction of hum or other noise. cords or placing them near a power transformer will · Note that binding pin plug cords together with power Do not plug in the power cord until all connections have

power of the AVC-2800.

is connected, disconnect it.

power of the AVC-2800 on. If this happens, turn on the

component is used independently without turning the

Noise or humming may be generated if a connected

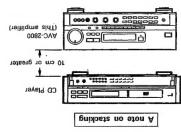
• If hum or other noise is produced when the ground wire

- (left with left, right with right). • Be sure to connect the left and right channels properly been completed.
- Use the AC OUTLETS for audio equipment only. Do not result in the generation of noise. · Insert the plugs securely. Incomplete connections will
- use them for hair driers, etc.

directly. Use a separate head amplifier or step-up

The amplifier cannot be used with MC cartridges

2-1 Connecting the audio components



space of at least 10 cm. nent directly on top of the amplifier. Be sure to leave a For cooling purposes, do not place another AV compo-

## INSTALLATION PRECAUTIONS

result in noise in the sound or picture. ing microprocessors simultaneously with a tuner or TV may Using this amplifier or other electronic equipment contain-

- VT 10 neutral the amplifier as far as possible from the tuner or TV It this should happen, take the following steps:
- possible from the amplifier's power cord and connection • Keep the antenna lines of the tuner or TV as far as
- 75 Q /ohms coaxial cables.

Moor redfonA 0.000 ... 00 HHH -----TUO BNIL Essessis AC 230V, 50Hz \*\* POWER OUTLET a separate amplifier. another pre-main amplifier or Turntable (MM cartridge) Use these jacks when using PRE OUT jacks

antennas. We recommend using outdoor antennas and • This problem is especially frequent when using indoor

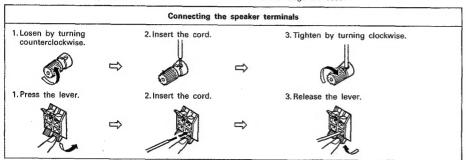
Licensing Corporation. patent number 1,037,877, "Dolby," "Pro Logic," and the double-D symbol are trademarks of Dolby Laboratories

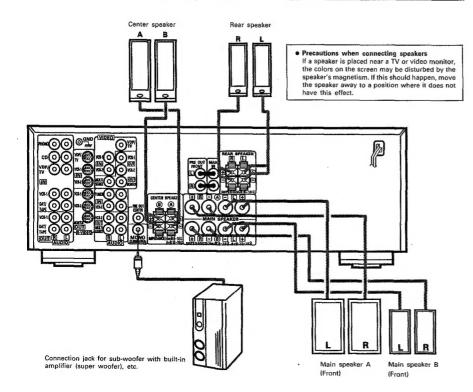
#### 2-2 Speaker System Connections

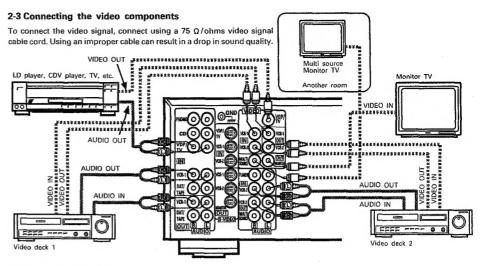
- This amplifier can accommodate connections of a total of eight speakers including two set of (front) main amplifier speakers (A and B), one set of rear speakers, and one or two center speakers.
- Connect the speaker terminals with the speakers making sure that like polarities are matched (⊕ with ⊕, ⊖ with ⊖
   Mismatching of polarities will result in weak central sound, unclear orientation of the various instruments, and the sense of direction of the stereo being impaired.
- When making connections, take care that none of the individual conductors of the speaker cord come in contact with adjacent terminals, with other speaker cord conductors, or with the rear panel.

#### Speaker Impedance

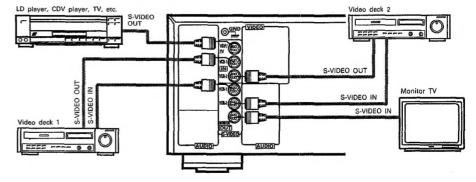
- When speaker systems A and B are use separately, speakers with an impedance of from 6 to 16 Q/ohms can be connected.
- Be careful when using two pairs of main speakers (A + B) at the same time, since use of speakers with an impedance outside the range of 12 to 16 Ω/ohms will lead to damage.
- Speakers with an impedance of 6 to 12 Ω/ohms can be connected for use as center and rear speakers.
- The protection circuit may operate or damage may occur when speakers with an impednce outside of the above range are used.







#### 2-4 Connecting the S-video terminals



#### · A note on the S input jacks

The input selectors for the S inputs and pin jack inputs work in conjunction with each other.

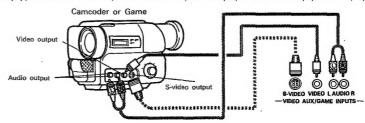
#### • Precaution when using S-jacks

This amplifier's S-jacks (input and output) and video pin jacks (input and output) have independent circuit structures, so that video signals input from the S-jacks are only output from the S-jack outputs and video signals input from the pin jacks are only output from the pin jack outputs.

When connecting the amplifier with equipment that is equipped with S-jacks, keep the above point in mind and make connections according to the equipment instruction manuals.

#### 2-5 Connecting camcorder or game (V-AUX/GAME)

This unit is equipped with VIDEO AUX jacks on the front panel for playback of video equipment or playing games.

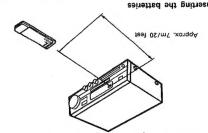


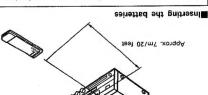
#### 3-2 Preset memory

## 3 REMOTE CONTROL UNIT

Point the remote control unit at the remote control sensor Range of operation of the remote control unit Following the procedure outlined below, insert the batteries before using the remote control unit.

distance of approximately 7 meters/20 feet, but this • The remote control unit can be used from a straight as shown on the diagram at the left.





1. Open the bottom cover of the remote control unit and

remove the battery cover.

Close the bottom cover until it clicks shut. O marks on the batteries with those in the case. 2. Insert the two R6P/AA batteries, matching the Tand S.







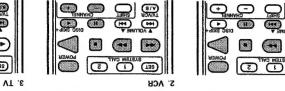












below. For details, refer to the respective component's manual, Before operating the

After components are registered, they can be operated using the buttons in block C shown

component, set slide switch @ to the position for that component.

registering the manufacturer of the component as shown on the diagrams below.

Operation after components are registered

The LEARNED/TX LED flashes.

the button for the corresponding manufacturer in block A. (Refer to Table 1.)

Ex.: To preset a VDP in the personal

VECK DE

2. Set the slide switch to the component to be registered (VDP, VCR or TV).

VIDEO -----

1. Set the slide switch to "VIDEO".

3. Holding in the POWER button, press

шешогу

Table 1: Compinations of Preset Memory System Codes for Different Manufacturers

5. To continue registering other com-ponents, repeat steps 2 to 4.

button, press the button for the code in block B. (Refer to Table 1.) The operation is completed when the LEARNED/TX LED lights.

4. Next, while holding in the POWER

This remote control unit can be used to operate components of other manufacturers without using the learning function by

O XOVANDAM	MAGNAVOX B	A XOVANDAM	тоие/рівест
-	GENERAL GENERAL	GENERAL ELECTRIC A	MODE
-	В АЭЯ	A ADR	STEREO
PHILIPS C	8 SAIJIHA	PHILIPS A	12/E
MEC C	MEC B	NEC A	(39AT/TAQ)O\? f
	E 4AAHS	A 98AH2	10(V.AUX/GAME)
-	8 OYNAS	A OYNAS	(ITJUM) e
_	8 A8IH2OT	A A8IH2OT	8 (CD)
		PIONEER	L
SONY C	SONY B	A ∜NO2	6 (VCR-2)
_	AVC (VICTOR) B	A (ROTOIV) DVL	₽ (ACB-1)
-	PANASONIC B	PANASONIC A	4 (TUNER)
MITSUBISHI C	8 IHSIBUSTIM	A IHRIBUSTIM	3 (PHONO)
O IHDATIH	HITACH! B	A IHDATIH	2 (VDP/TV)
	_		ł
a button	T putton	nottud []	8 A

SYSTEM CA

-	_	XOVANĐAM	TONE/DIRECT
		_	WODE
_	_	ВСА	озязте
_	_	PHILIPS	12/E
_			(39AT\TAG)O\rr
		98AH2	(3MAð\XUA.V)0f
_		OYNAS	(ITJUM) e
-	_	****	8 (CD)
_		PIONEER	L
SONY C	SONA B	A YNOS	6 (VCR-2)
_	_	- Trapes	2 (VCR-1)
_	-	PANASONIC	(ABNUT) 4
_	_	IH2IBUSTIM	3 (PHONO)
_		_	2 (VT/9dV) S
DENON C	DENON B	DENON A	l
aostud E	2 button	1 button	8 A

batteries are not replaced within about 5 minutes.

The codes that have been learned may be lost if removed

batteries can be replaced as quickly as possible when the

with clothing, etc. Clean the battery compartment thortouching the leaked material or letting it come in contact • If batteries leak, dispose of them immediately. Avoid not be used for an extended period of time. • Remove the batteries if the remote control transmitter will

• Be sure the polarities are correct. (See the illustration

nearby may result in malfunction, so keep the set as far

exposed to direct sunlight or other strong light, or if the remote control sensor, if the remote control sensor is

there are obstacles between the remote control unit and distance will shorten or operation will become difficult if

• Neon signs or other devices emitting pulse-type noise

• Use only AA, R6P, UM-3 batteries for replacement.

• Have replacement batteries on hand so that the old

oughly before installing new batteries.

inside the battery compartment.)

away from such devices as possible.

operated from an angle.

"VDP"

TES

# 3-1 System code buttons

S. Set the slide switch to the position for the	/8VA" "OIGIJA" of datives shills of te2 t
anot be operated with this remote control unit.	nit. Note that some components, however, car
an be controlled using this unit's remote control	DENON remote-controllable audio components c

3. Use the buttons shown below to operate the corponent's For details, refer to the respective component's a. For CD players and DATs  a. For CD players and DATs
N.Set to slide switch to "AVA") "OldUA" to "Se. I" co co co co.").  AUC.").
1

#### "TV"

A B	1 button	2 button	3 button	
1	DENON	_	_	
2 (VDP/TV)	HITACHI A	HITACHI B	_	
3 (PHONO)	MITSUBISHI A	MITSUBISHI B	MITSUBISHI C	
4 (TUNER)	PANASONIC	_	-	
5 (VCR-1)	JVC (VICTOR)	_	_	
6 (VCR-2)	SONY	_	_	
7	PIONEER	_	_	
8 (CD)	TOSHIBA	· – –		
9 (MULTI)	SANYO A	SANYO B	_	
10(V.AUX/GAME)	SHARP	_	_	
11/O(DAT/TAPE)	NEC A	NEC B	NEC C	
12/E	PHILIPS A	PHILIPS B	PHILIPS C	
STEREO	RCA A	RCA B —		
MODE	GENERAL ELECTRIC A	GENERAL ELECTRIC B	_	
TONE/DIRECT	MAGNAVOX A	MAGNAVOX B MAGNAVO		

#### -- NOTE:

Preset memory function will not work for some models or some codes.
In such case, please use the learning function.

#### • Clearing the Preset Memory

 Press the USE/LEARN selector button with the tip of a pen, etc., to set the learn mode.



2. Set the slide switch to "VIDEO".



Set the program switch to the side to be cleared.



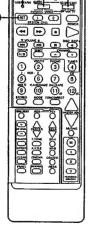
Ex.: To clear the VDP preset memory

 Press the SYSTEM CALL SET button, and hold it in for at least four seconds.



 When both the START and LEARNED/TX LEDs light simultaneously, all the stored codes are cleared.





#### 3-3 Remote Control Unit Learning Function

Use the learning function to operate audio components manufactured by companies other than DENON and when your VCR or TV does not operate with the preset memory function.

1. Press the USE/LEARN selector button with the tip of a pen etc., to set the learn mode. Both the START and LEARNED/TX indicators flash.



This unit's remote control unit

 Set the program switch to the side to be "learned".
 Set to the AUDIO side for the CD, tape deck or DAT position, to the VIDEO side for the CDP, VCR or TV position.



3. Set the program switch to the position to be "learned".



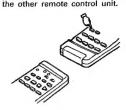
4. Set the remote control units so they are facing each other, then press the button to be "learned" on this unit's remote control unit.



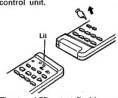
The indicator stops flashing and the START LED lights.

The learnable buttons are the buttons which can be operated with the DENON system codes for the CD player, DAT and tape deck, the buttons which can be operated with the preset memory for the VCR, VDP and TV. For the TV only, however, the buttons in the section indicated "A" on the diagram above can also be "learned". Use these to "learn" TV channels.

5. Check that the START LED is lit, then press the button to be "learned" on the other remote control unit.



 Once the START LED turns off and the LEARNED/TX LED lights, release the button on the other remote control unit.



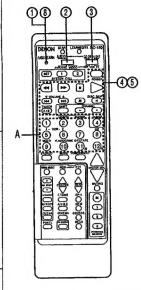
The two LEDs start flashing again.
7.To "learn" other buttons, repeat steps 4 and 5.

8. Once the learning operation is completed, press the USE/LEARN selec-

tor button again. The two LEDs stop flashing and the learning mode is cancelled.



Check that the stored codes work properly.



9. For instructions on resetting the "learned" codes, refer to "clearing the Preset Memory".

#### NOTES: -

- Up to 26 codes can be "learned", but this number may be lower if the codes are long.
- codes are long.

  If a non-learnable button is pressed or two or more buttons are pressed at once, the two LEDs will once again light when the button(s) is released.

  If the codes could not be stored, the LEARNED/TX LED does not light after
- the START LED turns off. (This may happen for a limited number of models.)
- If the two LEDs start flashing rapidly after the START LED lights, this means that the memory is already full, and the code you have just attempted to store was not stored.
- To "learn" that code, first perform the resetting operation.

#### ENGLISH

.noitisoq

4. Set to the center position.

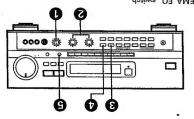
3. Set to the center position.

2. Set to the minimum position.

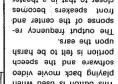
4 OPERATIONS

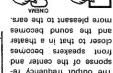
4-1 Preparations for Play Back

1. Check that all connectiond are proper.



#### portion is felt to be harsh software and the speech playing back movie video nedw beau si nottud sidT 4. CINEMA EQ. switch



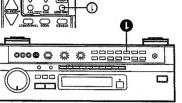




This can be used in the stereo mode. Use this when you do not want to adjust the sound.

0





## 4-3 Adjusting the BALANCE control and TONE control

of the right channel, clockwise to reduce the volume of Turn the control counterclockwise to reduce the volume 1. Adjust the front left/right BALANCE.



2. Adjust the BASS and TREBLE.



counterclockwise to de- terclockwise to decrease it. wise to increase the bass, to increase the treble, coun-Turn the control clock- Turn the control clockwise

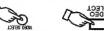
stronger low bass. Turn this switch on to create a powerful sound with even 3. A.V.S.E switch



#### 4-4 Simulcast playback

andio source. Use this switch to monitor a video source other than the

desired source appears on the display. 3. Press the VIDEO SELECT button repeatedly until the



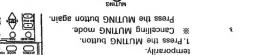
· Press the VIDEO SELECT button once more. ※Cancelling simulcast playback

Select the VIDEO function.

## 4-5 Using the muting function

Use this to turn off the audio output







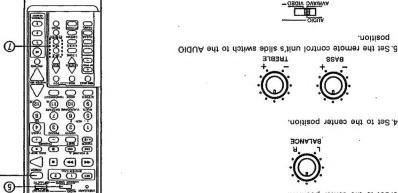


2. Select the STEREO mode.

1. Select the source to be played.

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# 0000000000000 0 0 中



Press the speaker A or B button to turn the speaker on. 7. Select the front speakers.



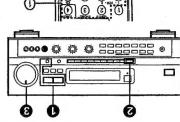
DAT/TAPE MONITOR

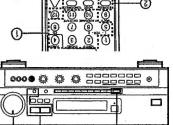


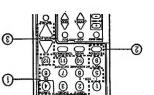
#### 4-2 Playing the program source (Stereo play back)

6. Press the power button to turn the power on.

AVRIVAVO VIDEO

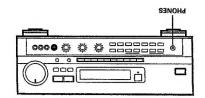






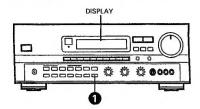


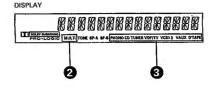
switches to the OFF position. When listening with headphones privately, set all SPEAKER Connect the headphones to the PHONES jack.



#### 4-7 Multi-Source recording/playback

The Multi-Source function allows you to record a source other than the source currently playing or to output its signal to the MULTI SOURCE output terminal.





 Select the source to be output to the recording or MULTI SOURCE output terminal.



2. Turn on the "MULTI" indicator.

3. The selected source is indicated.

\*\*To cancell the multi-source mode and recording source selection

Press the MULTI SOURCE button repeatedly until "Source" appears on the display.

\*\*The VIDEO MONITOR output is automatically switched to V.AUX/GAME, when the input source is AUDIO and V.AUX/GAME is selected by Multi Source.

Multi-source and multi-zone playback

By connecting another pre-main amplifier, etc., to the MULTI SOURCE  $\boxed{\text{OUT}}$  jacks, you can listen to a source other than the one in the main room in other room. To connect the video signal, use a 75  $\Omega$ /ohms cable designed specifically for video signals. Using an improper cable can result in a drop in sound quality.

#### 4-8 Using the surround function

This unit is equipped with a high precision D.S.P. (Digital Signal Processor) for processing signals digitally to simulate sound fields. Select the surround mode according to the playback source and adjust the parameters according to the conditions in the listening room to achieve a realistic, powerful sound.

#### Types of surround modes and their characteristics

1	Dolby Pro Logic	Use this when playing program sources recorded in Dolby Surround.
2	Wide Screen	Use this to enjoy program sources, recorded in Dolby Surround with the atmosphere of a movie theater.
3	Live Surround	Use this to enjoy program sources, recorded in Dolby Surround with the atmosphere of a live performance.
4	Super Stadium	Use this to enjoy program sources such as football or baseball games with the atmosphere of a stadium.
5	Mono Movie	In this mode, a sense of expansion is added to monaural audio sources.  This mode is best suited for playing old movies or movie tapes recorded in monaural.
6	Rock Arena	The powerful reverberations of this mode produce a sound field which recreates the excitement of live concerts.  This mode is effective for rock, popular music, etc.
7	Jazz Club	This mode creates the sound field of a live house with a low ceiling and hard reverberations. The result is that the artist seems to be performing right before your eyes.
8	Classic Concert	This mode creates a sound field simulating a large concert hall, rich in reverberation. This mode is characterized by composed acoustics, and is perfect for playing classical music, etc.
9	Matrix	Use this to enjoy stereo music sources with rich reverberations.

#### •Before using the surround function

Make the following adjustments before using the surround function.

1. Set the Dolby Pro Logic mode.





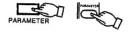
Select the center mode.Select the center mode according to the center speaker.



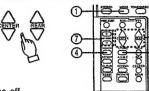
3. Emit the test tone.



4. Select the auto sequence mode.



5. Adjust the center and rear levels to set the volume of the speakers to the same



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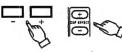
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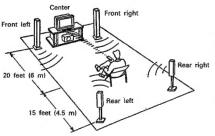
6. Turn the test tone off.

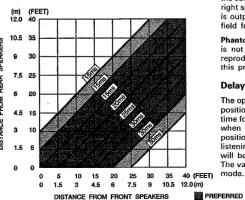


7. Adjust the delay time and seating posi-

tion as necessary.







USABLE SPEAKER PLACEMENT RANGE WITH

XX ms DELAY TIME

#### Center Mode

Set the center mode as described below, according to the type of center speaker being used.

Normal mode: This mode is suited for an arrangement in which the center channel speaker is smaller than the left and right speakers. Signals below 100 Hz which have almost no effect on directional orientation are distributed to the left and right channels, whereas the center channel output signals greater than 100 Hz. As a result, the bass of the left and right channels increases the apparent deepness of the sound.

Wide mode: This mode is suited for an arrangement in which the center channel speaker is of the same grade as the left and right speakers. The entire sound band from low region to high is output to the center channel to provide an exciting sound field for your enjoyment.

Phantom mode: Use this mode when center channel speaker is not used. A directional emphasis circuit provides signal reproduction which is electrically oriented to the center and this provides an exciting sound field for your enjoyment.

#### **Delay Time**

The optimum delay time will differ depending on the listening position. Referring to the chart at left, set the optimum delay time for your room's space and seating position. For example, when the distance from the front speakers to the listening position is 6 m (20 feet) and that from the rear speakers to the listening position is 4.5 m (15 feet), the optimum delay time will be 20 ms.

The variable range of the delay time differs depending on the mode.



the input source.

### 5 EASY OPERATION FUNCTIONS

This unit is equipped with the functions described below to make operation simpler.

# 5-1 On-screen display

unit's ON SCREEN button. oberating status can be checked during playback by pressing the remote control the display connected to the unit's VIDEO MONITOR OUT terminal. Also, the unit's Each time an operation is performed, a description of that operation appears on

The output from the S MONITOR OUT terminal has priority for the on-screen settings is output in sequence. Such information as the position of the input selector and the surround parameter

The on-screen display is not displayed for the MULTI SOURCE MONITOR OUT output, do not connect a cable to the S MONITOR OUT terminal. display. If you want to always output the on-screen display signals to the video

Small characters may be difficult to read on small displays or low resolution TVs. This model's on-screen function is designed for high resolution monitor displays.

#### 5-2 Front panel display

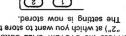
playing a source by pressing the remote control unit's PANEL button. In addition, the display can be switched to check the unit's operating status while Descriptions of the unit's operations are also displayed on the front panel display.

#### 5-3 Personal memory

1. Press the SET button.

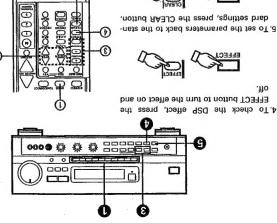
pritteser

For details, refer to Page 10. with a single button once the input selector and surround mode have been preset. This is a function allowing you to easily set the input position and surround mode



as necessary. (Up to ten buttons can be changing the position of the slide switch

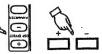
buttons which have been preset can also Buttons which have been "learned" and





dard settings, press the CLEAR button. 5. To set the parameters back to the stan-





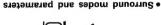


3. Adjust the parameters to the desired

1. Select the surround mode according to

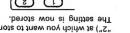
Using the surround function

2. If necessary, adjust the levels.

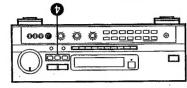


#### 5-4 System call (Remote control unit)

series of up to ten remote control codes with a single button. This function allows you to preset frequently used operation patterns in the remote control unit then automatically send a

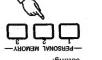


2. Press the buttons for the codes to be sent,



desired setting has been stored. 4. Press the button (1, 2 or 3) at which the

.gnittes The unit automatically switches to that



want to store the setting. 3. Press the button (1 to 3) at which you



button. The standby mode is set.

.8-4 bns S-4 anoitoes ni bedinos round mode using the procedures de-1. Set the desired input position and sur-

Presetting

single button.

CENTER MODE

CENTER LEVEL

EFFECT LEVEL

ROOM SIZE .

settings.

EFFECT ...

2. Press the Personal memory "MEMORY"

Both settings can then be recalled instantly by pressing a

current input position and surround mode in memory.

The personal memory function allows you to store the

Using the Personal Memory function

The setting is now stored.

# 3. Press the SYSTEM CALL button ("1" or

"2") at which you want to store the codes.



"2") at which the desired codes have been 4. Press the SYSTEM CALL button ("1" or

The series of codes is now sent,

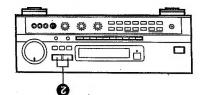


#### 6 INITIALIZATION OF THE MICROPROCESSOR

initialization of the microprocessor is required by the following operation of the unit does not shows the reasonable result, the When the indication of the display is not normal or when the

Switch off the unit and remove the AC power cord from the procedure.

4. Switch on the unit and the microprocessor will be initialized. spont 1 second, and release your fingers from the 2 buttons. 3. Check that the entire display is flashing with an interval of FUNCTION button, and plug the power cord into the outlet. 2. Hold the following AUDIO FUNCTION button and VIDEO



12310001000, 22000 \*(1) (0) 100 (0) 100 (0) 100 (0) 100 (0)

Û

(D)(D)(D)

"PANEL"

0

0

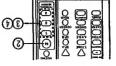
1

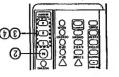
**©** 

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**®** 

"ON SCHEEN"





\*The DAT/TAPE MONITOR position can-

When this is selected in the DOLBY PRO LOGIC mode, the wide screen and live mode center

the center mode is set to the normal or wide mode. In other cases, the center output is

This can be used in the DOLBY PRO LOGIC, WIDE SCREEN, and LIVE SURROUND modes when

This can be used in surround modes other than DOLBY PRO LOGIC, WIDE SCREEN, LIVE

"Effect level" refers to the strength of the effect sounds. If the sound is distorted or seems

These parameters can be used in modes other than the DOLBY PRO LOGIC and MATRIX modes.

msec for the MATRIX mode. It is controlled directly with the DSP EFFECT " + " and " - "

This can be set to between 15 and 30 masc for the DOLBY PRO LOGIC mode, between 0 and 360

not be stored in the memory.

modes are automatically set.

SURROUND and MATRIX MODE.

"Room size" refers to the size of the sound field.

automatically turned off.

strange, lower the level.

#### LAST FUNCTION MEMORY

- This amplifier is equipped with a last function memory which stores the input and output setting conditions as they were immediately before the power is switched off.
- This function eliminates the need to perform complicated resettings when the power is switched on.
- This amplifier is also equipped with a back-up memory. This function provides approximately one week of memory storage with the power cord disconnected.

#### **TROUBLESHOOTING**

If a problem should arise, first check the following:

- 1. Are the connections correct?
- 2. Have you operated the amplifier according to the Operating Instructions?
- 3. Are the speakers, turntable, and other components operating properly?

if the amplifier is not operating properly, check the items listed in the table below. Should the problem persist, there may be a malfunction. Disconnect the power immediately and contact your store of purchase.

	Symptom	Cause	Measures	Page
records,	DISPLAY not lit and sound not produced when power switch set to on.	Power card not plugged in securely.	Check the insertion of the power cord plug.	4
	DISPLAY lit but sound not pro-	Speaker cords not securely connected.	Connect securely.	4, 5
	duced.	Speaker switch is off.     Improper position of the audio function button.	Turn on speaker switch.  Set to a suitable position.	8
e co		Volume control set to minimum.     MUTING is on.	Turn volume up to suitable level. Switch off MUTING.	8 8
ists, etc.	PROTECT- display appears.	Speaker terminals are short-circuited.     Block the ventilation holes of the set.      The unit is operating at continuous high power conditions and/or inadequate ventilation.	Switch power off, connect speakers properly, then switch power back on.     Turn off the set's power, then ventilate it well to cool it down.     Once the set is cooled down, turn the power back on.     Turn off the set's power, then ventilate it well to cool it down.     Once the set is cooled down, turn the power back on.	3
tapes, and FM broadcasts,	Sound produced only from one channel.	<ul> <li>Incomplete connection of speaker cords.</li> <li>Incomplete connection of input/output cords.</li> </ul>	Connect securely.     Connect securely.	5 4, 5
ΞŒ		Left/right balance is off	Adjust balance knob properly.	8
s, and	Positions of instruments re- versed during stereo playback.	<ul> <li>Reverse connections of left and right speakers or left and right input/output cords.</li> </ul>	Check left and right connections.	4, 5
tape	Sound seems distorted.	Effect level parameter is high.     Rear level is too high.	Set the effect level parameter to lower level.     Set the rear level to lower level.	10 10
	Sound seems strange.	DSP parameter settings are poor.	Press the CLEAR button then adjust the DSP parameters.	10
	Personal memory function does not work.	DAT/tape monitor mode set.	The DAT/TAPE MONITOR position cannot be set in the personal memory.	10
	Humming noise produced when	Ground wire of turntable not connected	Connect securely.	4
	record is playing.	properly.  Incomplete PHONO jack connection.  TV or radio transmission antenna nearby.	Connect securely.     Contact your store of purchase.	4 -
records	Howling noise produced when volume is high.	Turntable and speaker systems too close together.	Separate as much as possible.	-
playing	Volume is migh.	Floor is unstable and vibrates easily.	<ul> <li>Use cushions to absorb speaker vibrations transmitted by floor. If turntable is not equipped with insulators, use audio insula- tors (commonly available).</li> </ul>	-
When	Sound is distorted.	Stylus pressure too weak.  Dust or dirt on stylus.  Cartridge defective.	Apply proper stylus pressure.     Check stylus.     Replace cartridge.	-
	Volume is weak.	MC cartridge being used.	<ul> <li>Replace with MM cartridge or use a head amplifier or step-up transformer.</li> </ul>	4
control unit	Amplifier does not operate properly when remote control unit is used.	Batteries dead. Remote control unit too far from receiver. Obstacle between receiver and remote control unit. Different button is being pressed.	Replace with new batteries. Move closer. Remove obstacle. Press the proper button.	6 6
28		<ul> <li>+ and - ends of battery inserted in reverse.</li> </ul>	<ul> <li>Insert batteries properly.</li> </ul>	6

#### **SPECIFICATIONS**

Audio Section

MAIN (main 2ch driven) (Power amplifier)

85 W + 85 W (8 O /ohms, 20 Hz - 20 kHz with 0.05% THD) Rated output:

CENTER (center 1ch driven) (All properties shown are only

(8 Q /ohms, 20 Hz - 20 kHz with 0.05% THD) 85 W for the power amplifier stage.)

REAR (rear 2ch driven)

25 W + 25 W (8 Ω /ohms, 1 kHz with 0.1% THD)

**Output terminals:** 

6 to 16 Ω / ohms Main: A or B

12 to 16 Ω / ohms A + BCenter: 6 to 16 Ω / ohms

Rear: 6 to 16 Ω / ohms

(Pre-amplifier)

Line input (Each line input - FRONT PRE OUT)

150 mV/47 kΩ/kohms PHONO (MM): 2.5 mV/47 kΩ/kohms Input sensitivity / impedance:

Frequency response:

10 Hz to 50 kHz: ±3 dB

Tone control range: BASS: ±10 dB at 100 Hz TREBLE:

Signal-to-noise ratio

92 dB

±10 dB at 10 kHz

(FRONT PRE OUT):

Distortion factor:

0.01% 1 kHz 1 V (STEREO mode)

Maximum headphone output:

284 mW (8 Ω /ohms)

Phono equalizer (PHONO input -- REC OUT)

RIAA deviation: ±1 dB (20 Hz to 20 kHz) 74 dB (A weighting, with 5 mV input) Signal-to-noise ratio

Rated output / Maximum output: 150 mV/8 V

0.03% (1 kHz, 3 V) Distortion factor:

Video Section

Standard video jacks

Input and output level/impedance: 1 Vp-p/75 Ω/ohms 5 Hz to 8 MHz +0, -3 dB

Frequency response:

S-video output jacks Input and output level/impedance: Y (brightness) signal: 1 Vp-p/75 Ω/ohms

C (color) signal:

0.286 Vp-p / 75 Ω /ohms

5 Hz to 10 MHz +0, -3 dB Frequency response:

General

AC 230 V, 50 Hz Power supply:

Power consumption:

434 (W) × 161 (H) × 433 (D) mm (17-3/32" × 6-11/32" × 17-3/64")

Maximum external dimensions:

Weight:

11.4 kg (25 lbs 3 oz)

• Remote control unit (RC-180)

Batteries:

R6P/AA Type (two batteries)

70 (W) × 215 (H) × 19 (D) mm (2-3/4" × 8-15/32" × 3/4") External dimensions:

Weight:

180 g (Approx. 6 oz) (including batteries)

<sup>\*</sup> For purposes of improvement, specifications and design are subject to change without notice.

"ë.o nöf nəniə tüt trləin

Nebengeräusche erzeugen.

(Netzsteckdosen) an. Benutzen Sie die Steckdosen

• Schließen Sie nur Audio-Geräte an die AC OUTLETS

Setzen Sie die Stecker fest ein. Lose Anschlüsse können

rechten Kanäle (links mit links, rechts mit rechts).

anderen Anschlüsse durchgeführt haben.

• Achten Sie auf den richtigen Anschluß der linken und

Schließen Sie das Netzkabel erst an, nachdem Sie alle

## 2 GERÄTEANSCHLÜSSE

- Wir danken Ihnen für den Kauf dieses AVC-2800.
- jederzeit nachschlagen zu können. diese Bedienungsanleitung auf, um beim Auftreten von Fragen oder Störungen zu einem späteren Zeitpunkt sich diese Bedienungsanleitung bitte sorgfältig durch und betreiben Sie das Gerät entsprechend. Bewahren Sie Damit Sie die vielfältigen Leistungsmerkmale, die Ihnen dieser AVC-2800 bietet, voll ausnutzen können, lesen Sie

# **∀**ΛC-S800 CD-Spieler Hinweis zum Aufeinanderstellen von Geräten

immer einen Zwischenraum von mindestens 10 cm. AV-Komponente direkt auf den Verstärker. Lassen Sie Stellen Sie aus Gründen der Belüftung keine andere

0000 D D D E

(Dieser Verstärker)

Koaxialkabels.

rungen verursachen.

NOTALLATION

mdO\Qdr senie bnu ennemenaluA nenie noitslistani

von Innenantennen auf. Wir empfehlen Ihnen daher die

Fernsehgerätes so weit wie möglich vom Netzkabel des

• Halten Sie die Antennenzuleitungen des Tuners oder

• Stellen Sie den Verstärker soweit wie möglich entfernt

mit einem Tuner oder Fernsehgerät kann Ton- oder Bildstö-

ren elektronischen, Mikroprozessor anwendenden Gerätes,

Die gleichzeitige Benutzung dieses Verstärkers oder ande-

Verfahren Sie in einem derartigen Fall wie folgt:

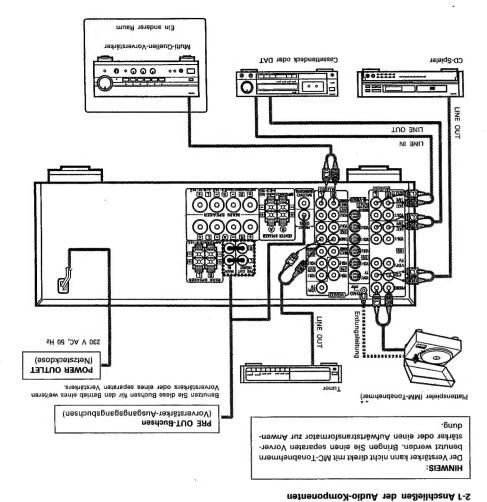
• Diese Störung tritt besonders häufig bei der Benutzung

Verstärkers und der Anschlußkabel fern.

vom Tuner oder Fernsehgerät auf.

VORSICHTSMASSNAHMEN ZUR

Laboratories Licensing Corporation. kanadischen Patentnummer 1.037.877. "Dołby", "Pro Logic" und das Doppel-D Symbol sind Warenzeichen der Dolby Hergestellt unter der Lizenz von Dolby Laboratories Licensing Corporation. Darüberhinaus lizensiert unter der



Strom zum AVC-2800 ein.

sche erzeugt werden.

worden ist. Schalten Sie in einem derartigen Fall den

wird, ohne daß der Strom zum AVC-2800 eingeschaltet

wenn eine angeschlossene Komponente betrieben

schlossener Erdungsleitung Brumm- oder Nebengeräu-

dieser in der Nähe eines Netztransformators Brumm-

Stiftsteckerkabeln und Netzkabeln sowie das Verlegen

• Beachten Sie bitte, daß das Zusammenbinden von

• Trennen Sie die Erdungsleitung ab, wenn bei ange-

oder Nebengeräusche verursachen kann.

Neben- oder Brummgeräusche können erzeugt werden,